ACTUARIAL VALUATION OF TOWN OF DAVIE POLICE PENSION PLAN AS OF OCTOBER 1, 2021

(Revised)

March, 2022

Determination of Contribution for the Plan Year ending September 30, 2022 Contribution to be Paid in Fiscal Year October 1, 2021 through September 30, 2022

> DuLaney and Company, Inc. Actuarial Services

TABLE OF CONTENTS

Page

Commentary		1
TABLE I	Summary of Retirement Plan Costs	5
TABLE II	Comparison of Cost Data of Current and Prior Year Valuations	7
TABLE III	Characteristics of Participant Data	8
TABLE IV	Statement of Assets	9
TABLE V	Reconciliation of Plan Assets	10
TABLE VI	Development of Actuarial Value of Assets	11
TABLE VII	Development of Actuarial Gains and Losses	12
TABLE VIII	Amortization of Unfunded Liability	13
TABLE IX	Accounting Disclosure Exhibit	14
TABLE X	Outline of Principal Provisions of the Plan	20
TABLE XI	Actuarial Assumptions and Actuarial Cost Methods	25
TABLE XII	Distribution of Active Participants by Age and Service Groups	28
TABLE XIII	Reconciliation of Participant Data	29
TABLE XIV	Statistics for Participants Entitled to or Receiving Plan Benefits	30
TABLE XV	Recent Investment, Salary Increase, and Turnover Experience	31
TABLE XVI	State Required Exhibit	32



10691 N. Kendall Drive Suite 310 Miami, Florida 33176

Office: (305) 274-9970 Toll Free: 1-866-322-9970 Fax: (305) 274-9946

March 25, 2022

Board of Trustees Town of Davie Police Pension Plan c/o Mr. Greg Brillant Precision Pension Administration, Inc. 13790 NW 4th Street, Suite 105 Sunrise, FL 33325

Dear Board Members:

We are pleased to present the October 1, 2021 Actuarial Valuation for the Town of Davie Police Pension Plan. The purpose of this report is to indicate appropriate contribution levels and to satisfy State requirements. The report is prepared for and at the request of the Board of Trustees.

This report consists of this commentary, detail Tables I through XV and State Required Exhibit - Table XVI. The Tables contain basic Retirement Plan cost figures plus significant detail on the benefits, liabilities and experience of your Plan.

Costs for Fiscal Year Beginning October 1, 2021

This Actuarial Valuation develops the required minimum Retirement Plan payment for the fiscal year beginning October 1, 2021 and ending September 30, 2022 under the Florida Protection of Public Employee Retirement Benefits Act and Chapter 185. The minimum payment consists of payment of annual normal cost plus amortization of the unfunded actuarial accrued liability over various periods, and interest, as prescribed by law. We anticipated that member pension contributions will be \$1,408,868 (9.0% of covered payroll).

The required funding amount for the plan/fiscal year ending September 30, 2022, to be met by the Town and State contributions under Chapter 185, is **\$7,001,245** or **44.7%** of the covered payroll. Please note that Chapter 185 states that employer contributions must be made at least quarterly, and these quarterly amounts must be at least **\$1,500,070**.

The anticipated State (Chapter 185) contribution is **\$1,000,965**. The resulting Town required contribution is **\$5,957,432**, or 38.1% of the covered payroll. If the actual Chapter 185 contribution is below the anticipated \$1,000,965, the difference must be made up by an additional Town contribution.

The Town contributed its entire contribution for the 10/1/20 - 9/30/21 plan year in a single payment of \$6,210,000 on 11/3/2020, rather than making contributions throughout the plan year. From the 10/1/20 valuation report, the Town's Minimum Funding Requirement (MFR) was \$6,032,468, but the MFR as of 11/3/2020 was only \$5,808,873. Thus, the Town generated a prepaid contribution of \$401,127 (\$6,210,000 - \$5,808,873).

Board of Trustees March 25, 2022 Page 2

<u>Changes in Plan Provisions, Actuarial Methods or</u> <u>Assumptions Recognized in this Valuation</u>

The plan provisions remained the same as those recognized in our October 1, 2020 valuation. The plan provisions are outlined in Table X.

The early retirement assumptions were removed in this valuation. The assumed fund investment return was changed from 7.40% to 6.95%, (net of investment expenses), compounded annually. There were no other changes in actuarial assumptions and methods from those utilized in the last actuarial valuation. Table XI contains an outline of the assumptions and methods used.

Comparison of October 1, 2020 and October 1, 2021 Valuation Results

Table II of the report provides information of a comparative nature. Column I shows the results of the October 1, 2020 Actuarial Valuation while Column II shows the results as of October 1, 2021 prior to the change in actuarial assumptions. A comparison of the two columns shows the effect of plan experience during the year. Covered payroll increased by approximately 1.1% while the number of active participants decreased by 1.3%. The unfunded liability decreased from \$31,295,074 to \$14,854,781. The actuarial gain experienced during the plan year was \$14,657,620. The Town's minimum funding requirement decreased as a dollar amount and as a percentage of covered payroll.

Column III of the Table displays the results after the assumption changes. A comparison of Columns II and III indicates that the changes increased the unfunded actuarial accrued liability by \$11,378,119, from \$14,854,781 to \$26,232,900. The Town minimum funding requirement increased from 29.0% to 38.3% of the covered payroll of \$15,654,087, assuming a Chapter 185 contribution of at least \$1,000,965 for 2021/2022.

The combined result of plan experience and assumption changes is that the Town's funding requirement decreased as a dollar amount from \$6,032,468 to \$6,000,280.

Plan Experience

Table XV provides a summary of certain plan experience during the plan year. The actuarial value of assets return was 16.9% for the 2020/2021 plan year, which was more than the assumed 7.4%. The market value rate of return was 20.3%. The actuarial value of assets return was a source of actuarial gain. Employee turnover was 77% lower than the expected turnover during the last plan year, and the most recent three (3) and five (5) year averages were 83% and 88% of the expected amounts, respectively. Average salary increase was 5.6%, as compared to the assumed 5.5%. Salary increase contributed slightly to the actuarial loss and employee turnover was a source of actuarial gain during the plan year.

Board of Trustees March 25, 2022 Page 3

Participant Census and Financial Data

Census data for the fiscal year October 1, 2020 through September 30, 2021 was provided by the Town. Supplemental information was also received on retirees and terminations from the plan custodian and the plan administrator. The data was reviewed for consistency and is believed to be reliable.

Information on Plan assets was received from the Plan's auditors. We did not audit this information; however, we believe it to be reliable.

Identification and Assessment of Risk

The liabilities and cost presented in this report are based on numerous assumptions concerning the cost of benefits to be provided in the future, long-term investment returns, and the future demographic experience of the current participants. Anyone referring to this report should remember that the cost developed herein is only an estimate of the true cost of providing postemployment pension benefits. No one can predict with certainty whether the true cost will be higher or lower than the cost presented in this report. The calculated cost is entirely dependent upon the assumptions that are described in Table XI. If any of the assumptions is changed, then the cost shown in this report will change accordingly. Likewise, there is always a risk that, should these assumptions not be realized, the liabilities of the plan, the contributions required to fund the plan, and the funded status of the plan may be significantly different than the amounts shown in this report.

Although a thorough analysis of the risk of not meeting the assumptions is beyond the scope of this report, this discussion is intended to identify the significant risks faced by the plan. In some cases, a more detailed review of the risks, including numerical analysis, may be appropriate to help the plan sponsor and other interested parties assess the specific impact of not realizing certain assumptions. Note that this report is not intended to provide advice on the management or reduction of the identified risks nor is this report intended to provide investment advice.

The most significant risk faced by most defined benefit pension plans is investment risk, i.e. the risk that long-term investment returns will be less than assumed, Other related risks include a risk that, if the investments of the plan decline dramatically over a short period of time (such as occurred with many pension plans in 2008), the plan's assets may not have sufficient time to recover before benefits become due. Even if the assets of the plan grow in accordance with the assumed investment return over time, if benefit payments are expected to be large in the short-term, the plan's assets may not be sufficient to support such a high level of benefit payments.

Another source of risk is demographic experience. This is the risk that participants will retire, become disabled, or terminate their employment at a rate that is different than assumed, and that participants will live longer than assumed, just to cite a few examples of the demographic risk faced by the plan. Although for most pension plans, the demographic risk is not as significant as the investment risk, particularly in light of the fact that the mortality assumption includes a component for future life expectancy increases; the demographic risk can nevertheless be a

Board of Trustees March 25, 2022 Page 4

significant contributing factor to liabilities and contribution rates that become higher than anticipated.

Finally, an actuarial funding method has been used to allocate the gap between projected liabilities and assets to each year in the future. The contribution rate under some funding methods is higher during the early years of the plan and then is lower during the later years of the plan. Other funding methods provide for lower contribution rates initially, with increasing contribution rate over time. The Trustees have adopted the entry age normal cost, level percent of pay funding method for this plan. Under this method, the contribution requirement is expected remain relatively constant as a percentage of covered payroll over the next 10 to 20 years absent investment or demographic experience.

Certification

To the best of our knowledge, this report fairly and accurately represents the liabilities of the fund as of October 1, 2021, based on the participant data and asset information provided by the plan administrator and the plan provisions and actuarial assumptions set forth herein. We believe that these assumptions are reasonable both individually and in the aggregate and represent our best estimate of anticipated experience. All calculations set forth herein conform to generally accepted actuarial principles and practices and comply with our understanding of the current requirements of the IRC.

DuLaney and Company

Don Duffarey, L

Donald A. DuLaney, Jr. A.S.A., E.A. Senior Consulting Actuary

DAD/CP Attachments

Comme Paul

Corinne Paull, A.S.A. Actuary

Table I

TOWN OF DAVIE POLICE PENSION PLAN

Summary of Retirement Plan Costs as of October 1, 2021

			 Cost Data	% of Payroll
A.		Participant Data Summary		
	1.	Active employees	157	N/A
	2.	Terminated vested	4	N/A
	3.	Receiving benefits	129	N/A
	4.	DROP participants	34	N/A
	5.	Annual payroll of active employees	\$ 15,654,087	100.0%
B.		Total Normal Costs		
	1.	Age retirement benefits	\$ 4,391,038	28.1%
	2.	Termination benefits	250,742	1.6%
	3.	Death benefits	50,156	0.3%
	4.	Disability benefits	122,264	0.8%
	5.	Estimated expenses	 180,372	1.2%
	6.	Total annual normal costs	\$ 4,994,572	31.9%
C.		Total Actuarial Accrued Liability		
	1.	Age retirement benefits active employees	\$ 72,586,891	463.7%
	2.	Termination benefits active employees	1,639,188	10.5%
	3.	Death benefits active employees	121,283	0.8%
	4.	Disability benefits active employees	544,726	3.5%
	5.	Retired or terminated vested participants	98,095,937	626.6%
	6.	DROP participants benefits	46,541,925	297.3%
	7.	Terminated vested participants entitled to future benefits	1,113,617	7.1%
	8.	Deceased participants whose beneficiaries are receiving benefits	4,325,353	27.6%
	9.	Disabled participants receiving benefits	 3,364,636	21.5%
	10.	Total actuarial accrued liability	\$ 228,333,556	1,458.6%
D.		Actuarial Value of Assets (Table VI)	\$ 202,100,656	1,291.0%
E.		Unfunded Actuarial Accrued Liability (C. – D.)	\$ 26,232,900	167.6%

Table I(continued two)

F.		Minimum Funding Requirements			
	1.	Total normal cost	\$	4,997,748	31.9%
	2.	Amortization of unfunded actuarial accrued liability		3,057,841	19.5%
	3.	Interest adjustment		354,524	2.3%
	4.	Total payment	\$	8,410,113	53.7%
G.		Contribution Sources			
	1.	a) Town	\$	5,957,432	38.1%
		b) State		1,000,965	6.4%
		c) Total Town and State	\$	6,958,397	44.5%
	2.	Employees	\$	1,408,868	9.0%
H.		Actuarial Present Value of Vested Accrued Benefits			
	1.	Retired, terminated vested, beneficiaries and			
	1.	disabled receiving benefits	\$	105,785,926	675.8%
	2.	DROP participants		46,541,925	297.3%
	3.	Terminated vested participants entitled to future benefits		1,113,617	7.1%
	4.	Active participants entitled to future benefits		52,467,782	335.2%
		Total actuarial present value of vested accrued	-		
	5.	benefits	\$	205,909,250	1,315.4%
I.		Market Value of Assets (Table V)	\$	207,462,311	1,325.3%
J.		Unfunded Actuarial Present Value of			
		Vested Accrued Benefits (H I., not less than \$0)	\$	0	0.0%
K.		Vested Benefit Security Ratio (I. ÷ H.)		100.8%	N/A

D

Table II

- 7 -

TOWN OF DAVIE POLICE PENSION PLAN

Comparison of Cost Data of October 1, 2020 and October 1, 2021 Actuarial Valuations

	October	1, 2020	October Prior Ass	,	October 1, 2021 Current Assumptions		
	Cost Data	% of Annual Compensation	Cost Data	% of Annual Compensation	Cost Data	% of Annual Compensation	
A. Participants1. Active employees							
Tier One + Tier Two = Total	74 + 85 = 159	N/A	61 + 96 = 157	N/A	61 + 96 = 157	N/A	
2. Terminated vested	4	N/A	4	N/A	4	N/A	
3. Receiving benefits	124 27	N/A N/A	129 34	N/A N/A	129 34	N/A N/A	
 DROP participants Annual payroll of active 	27	N/A	54	1N/A	54	N/A	
Employees ¹	\$ 15,490,823	100.0%	\$ 15,654,087	100.0%	\$ 15,654,087	100.0%	
B. Total Normal Costs	\$ 4,690,145	30.3%	\$ 4,548,528	29.1%	\$ 4,997,748	31.9%	
C. Total Actuarial Accrued Liability	\$ 205,444,139	1326.2%	\$ 216,955,437	1385.9%	\$ 228,333,556	1458.6%	
D. Actuarial Value of Assets	\$ 174,149,065	1124.2%	\$ 202,100,656	1291.0%	\$ 202,100,656	1291.0%	
E. Unfunded Actuarial Accrued Liability	\$ 31,295,074	202.0%	\$ 14,854,781	94.9%	\$ 26,232,900	167.6%	
F. Town Minimum Funding Requirement	\$ 6,032,468	38.9%	\$ 4,541,648	29.0%	\$ 6,000,280	38.3%	
G. Unfunded Actuarial Present Value of Vested Accrued Benefits ²	\$ 12,242,582	79.0%	\$ 0	0%	\$ 0	0%	
H. Vested Benefit Security Ratio ²	93.4%	N/A	106.0%	N/A	100.8%	N/A	

¹ Covered payroll includes up to 300 hours of overtime pay per year. ² Calculated based on market value of assets.

Table III

TOWN OF DAVIE POLICE PENSION PLAN

<u>Characteristics of Participants in</u> <u>Actuarial Valuation as of October 1, 2021</u>

A. Characteristic of Active Participants

Β.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	Active participants as of beginning of prior year New entrants during prior year Exits during prior year Active participants as of beginning of year Active participants fully vested Active participants partially vested Active participants non-vested Annual payroll of active participants Average pay Average attained age Percent female	\$ 159 12 (14) 157 68 0 89 15,654,087 99,708 37.41 years 17.20%
<u>Cha</u>	racteristics of Inactive Participants	
1.	Inactives as of beginning of prior year	155
2.	Newly inactive during prior year	13
3.	Exits during prior year	(1)
4.	Inactives as of beginning of year	 167
5.	Age retirees	111
6.	Annual benefit for age retirees	\$ 7,669,450
7.	DROP participants	34
8.	Annual benefit for DROP participants	\$ 3,233,095
9.	Beneficiaries receiving benefits	12
10.	Annual benefits for beneficiaries receiving benefits	\$ 391,387
11.	Beneficiaries due deferred benefits	0
12.	Annual benefits for beneficiaries due deferred benefits	\$ 0
13.	Disabled participants receiving benefits	6
14.	Annual benefits for disabled participants	\$ 280,780
15.	Terminated vested due deferred benefits	4
16.	Annual benefits for terminated vested participants	\$ 124,854

Table IV

TOWN OF DAVIE POLICE PENSION PLAN

Statement of Assets as of October 1, 2021

		_	Market Value
А.	Assets		
	 Cash and Cash Equivalents Corporate Bonds U. S. Government Securities Domestic Stocks Mortgages Receivables Domestic Equity Fund International Equity Fund Real Estate Fund Prepaid Expenses Temporary Investments Total Assets 	\$	$\begin{array}{r} 653,227\\ 8,571,416\\ 24,735,150\\ 41,543,108\\ 0\\ 182,039\\ 84,355,726\\ 31,143,381\\ 30,571,327\\ 703,278\\ \underline{6,531,975}\\ 228,990,627\end{array}$
В.	Liabilities	φ	228,990,027
D.			
	 Prepaid Town Contributions Self-Directed DROP DROP Benefits Payable Unused Chapter 185 Funds Accounts Payable Total Liabilities 	\$	5,063,624 776,138 15,455,631 0 232,923 21,528,316
C.	Grand Total (Item A.12. – Item B.6.)	\$	207,462,311

Table V

- 10 -

TOWN OF DAVIE POLICE PENSION PLAN

Reconciliation of Plan Assets

				172,609,209
B. Rec	eipts During Period			
1.	Contributions			
	a. Town	\$	6,210,000	
	b. Employee		1,744,971	
	c. State (not limited by 99-1)		1,000,965	
	d. Total			\$ 8,955,936
2.	Investment income			
	a. Interest, dividends and			
	Miscellaneous income	\$	2,516,069	
	b. Investment expenses		(790,760)	
	c. Net			\$ 1,725,309
3.	Net gains (losses)			
	a. Realized gains (losses)	\$	0	
	b. Unrealized gains (losses)		34,508,705	
	c. Total gains (losses)			 34,508,705
4.	Total receipts during period $(1.d. + 2.c. + 3.c.)$			\$ 45,189,950
C. <u>Dis</u>	bursements During Period			
1.	Pension payments			\$ 7,578,885
2.	DROP payments			2,513,711
3.	Contribution refunds			60,704
4.	Administrative expenses			183,548
5.	Increase / (decrease) in COLA reserve			0
6.	Increase / (decrease) in State contribution reserve			 0
7.	Total disbursements during period			\$ 10,336,848
D. <u>Ma</u>	rket Value of Assets as of October 1, 2021 (A. + B.	.4 C	.7.)	\$ 207,462,311
E. <u>Rec</u>	conciliation of DROP Accounts Balance			
1.	DROP accounts balance as of October 1, 2020			\$ 12,245,975
2.	Benefit payments into DROP accounts during year	r		2,513,711
3.	Unused Leave Pay Transfer during year			594,364
4.	Disbursements from DROP accounts during year			(2,363,837)
5.	Expenses deducted from DROP accounts			(5,490)
6.	Investment gains/(losses) during year			 2,470,908
7.	DROP accounts balance as of September 30, 2021			\$ 15,455,631

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Table VI

- 11 -

TOWN OF DAVIE POLICE PENSION PLAN

Development of Actuarial Value of Assets

		10/1/2020 – 9/30/2021	10/1/2019 – 9/30/2020		0/1/2018 – 9/30/2019
A. Market value of assets as of beginning of year	\$	172,609,209	\$	159,333,621	\$ 157,321,380
B. Contributions		8,955,936		8,924,398	9,132,150
C. Benefit payments and expenses		10,336,848		9,870,161	9,183,239
D. Expected investment income					
(A. x .074 + (BC.) x .037)		12,721,988		11,914,555	11,797,188
E. Expected assets at end of year (A. + B. – C. + D.)		183,950,285		170,302,413	169,067,479
F. Actual market value at end of year		207,462,311		172,609,209	159,333,621
G. Excess/(shortfall) of actual over					
expected assets (F. – E.)					
1. From previous plan year		23,512,026		2,306,796	(9,733,858)
2. From two plan years ago		2,306,796		(9,733,858)	2,807,493
3. From three plan years ago		(9,733,858)		2,807,493	5,454,556
H. Deferred recognized amounts of excess/(shortfall)					
1. 33-1/3% from previous plan year		7,837,342		768,932	(3,244,619)
2. 33-1/3% from two plan years ago		768,932		(3,244,619)	935,831
3. 33-1/3% from three plan years ago	_	(3,244,619)		935,831	 1,818,185
4. Total		5,361,655		(1,539,856)	(490,603)
I. Preliminary actuarial value of assets at end					
of year (F. – H.4.)	\$	202,100,656	\$	174,149,065	\$ 159,824,224
J. 80% of end of year market value of assets		165,969,849		138,087,367	127,466,897
K. 120% of end of year market value of assets		248,954,773		207,131,051	191,200,345
L. Actuarial value of assets					
(I., but not less than J. and not more than K.)	\$	202,100,656	\$	174,149,065	\$ 159,824,224

Table VII

TOWN OF DAVIE POLICE PENSION PLAN

Actuarial Gains (Losses) for Plan Year Ended September 30, 2021

Derivation of Actuarial Gain (Loss)

1. 2.	Town and State normal cost previous valuation Unfunded actuarial accrued liability previous valuation	\$	3,295,971 31,295,074
3.	Town and State contributions previous year (limited by 99-1)		7,210,965
4.	Interest on:		
	(a) Town normal costs \$ 243,90	2	
	(b) Unfunded actuarial		
	accrued liability 2,315,83	5	
	(c) Town and State		
	contributions <u>427,41</u>	6	
	(d) Net total: (a) + (b) - (c)	\$	2,132,321
5.	Increase (decrease) in unfunded actuarial accrued liability		
	from plan amendment		0
6.	Increase (decrease) in unfunded actuarial accrued liability		
	from assumptions changes		11,378,119
7.	Expected unfunded actuarial accrued liability		
	current year: $1. + 2 3. + 4. + 5. + 6.$		40,890,520
8.	Actual unfunded actuarial accrued liability current year		26,232,900
9.	Actuarial gain (loss): 7 8.	\$	14,657,620

Table VIII

- 13 -

TOWN OF DAVIE POLICE PENSION PLAN

Amortization of Unfunded Liability

Date	<u>Total Ur</u>	nfunded Liability	<u>A</u>	<u>mortization</u> Payment
10/1/2021	\$	26,232,900	\$	3,057,841
10/1/2022	\$	24,785,726	\$	3,057,841
10/1/2023	\$	23,237,973	\$	3,057,841
10/1/2024	\$	21,582,651	\$	2,610,074
10/1/2041	\$	0	\$	0

Table IX

- 14 -

TOWN OF DAVIE POLICE PENSION PLAN

Accounting Disclosure Exhibit

I.	<u>Nur</u>	Number of Plan Participants		10/1/2020		10/1/2021
	1.	Retirees, disabled and beneficiaries receiving benefits		124		129
	2.	Terminated plan participants entitled to but not yet receiving benefits		4		4
	3.	DROP participants		27		34
	4.	Active plan participants		159		157
	5.	Total		314		324
II.	A.	Statement of Accumulated Plan Benefits				
	1.	Actuarial present value of accumulated vested	÷.		¢	
		a. Participants currently receiving benefits	\$	94,284,969	\$	105,785,926
		b. Beneficiaries due deferred benefits		0		0
		c. DROP participants		35,240,034		46,541,925
		d. Others	¢	55,326,788	¢	53,581,399
		e. Total	\$	184,851,791	\$	205,909,250
	2.	Actuarial present value of accumulated non-vested plan benefits		4,662,760		6,255,879
	3.	Total actuarial present value of accumulated plan benefits	\$	189,514,551	\$	212,165,129

Table IX (continued two)

B.	Statement of Change in Accumulated Plan Benefits	
		 10/1/2021
	1. Actuarial present value of accumulated	
	plan benefits as of October 1, 2020	\$ 189,514,551
	2. Increase (decrease) during year attributable to:	
	a. Plan amendment	0
	b. Actuarial assumptions and method changes	10,584,336
	c. Benefits paid and contribution refunds	(7,639,589)
	d. DROP benefits credited	(2,513,711)
	e. Other, including benefits accumulated	
	and increase for interest due to decrease	
	in the discount period	 22,219,542
	f. Net increase	\$ 22,650,578
	3. Actuarial present value of accumulated plan	
	benefits as of October 1, 2021	\$ 212,165,129
C.	Significant Matters Affecting Calculations	
	1. Assumed rate of return used in determining	
	actuarial present values	6.95%
	2. Plan amendments	None
	3. Change in actuarial assumptions	See Table XI
D.	Required Disclosure of Accumulated Plan Benefits	
	at Assumed Rate of Return Applied by the	
	Florida Retirement System, Currently 6.95%	
		 10/1/2021
	1. Actuarial present value of accumulated vested	
	plan benefits	
	a. Participants currently receiving benefits	\$ 105,785,926
	b. DROP participants	46,541,925
	c. Others	 53,581,399
	d. Total	205,909,250
	2. Actuarial present value of accumulated non-vested	
	plan benefits	 6,255,879
	3. Total actuarial present value of accumulated	
	plan benefits	\$ 212,165,129
	-	

Table IX(continued three)

III. <u>Schedule of Funding Progress (As required by GASB #25)</u>

			(3)	т	(4) Jnfunded				(7)
	(2)	Astro				(5)		(\mathbf{c})	. ,
	(2)		rial Accrued		arial Accrued	(5)		(6)	UAAL as % of
	arial Value		lity (AAL) –		lity (UAAL)	Funded Ratio		al Covered	Payroll
Valuation Date of As	ssets (AVA)	FIL /	EAN AAL		(3) - (2)	(2)/(3)]	Payroll	(4) / (6)
October 1, 1992 \$	8,697	\$	10,008	\$	1,311	86.9%	\$	4,146	31.6%
October 1, 1993 \$	9,931	\$	11,163	\$	1,232	89.0%	\$	4,467	27.6%
October 1, 1994 \$	10,866	\$	14,146	\$	3,280	76.8%	\$	4,195	78.2%
October 1, 1995 \$	13,918	\$	17,163	\$	3,245	81.1%	\$	5,307	61.1%
October 1, 1996 \$	17,055	\$	20,093	\$	3,038	84.9%	\$	5,637	53.9%
October 1, 1997 \$	21,590	\$	23,994	\$	2,404	90.0%	\$	5,339	45.0%
October 1, 1998 \$	24,945	\$	27,303	\$	2,358	91.4%	\$	6,360	37.1%
October 1, 1999 \$	29,881	\$	28,994	\$	(887)	103.1%	\$	6,070	(14.6%)
October 1, 2000 \$	32,886	\$	35,159	\$	2,273	93.5%	\$	6,309	36.0%
October 1, 2001 \$	32,325	\$	34,530	\$	2,205	93.6%	\$	7,254	30.4%
October 1, 2002 \$	31,302	\$	33,558	\$	2,256	93.3%	\$	7,975	28.3%
(all figures above are based on		.iability –		v are bas		Normal Actuarial Acc	crued Lia		
October 1, 2002 \$	31,302	\$	38,067	\$	6,765	82.2%	\$	7,975	84.8%
October 1, 2003 \$	34,845	\$	44,993	\$	10,148	77.4%	\$	8,994	112.8%
October 1, 2004 \$	39,267	\$	49,742	\$	10,475	78.9%	\$	9,105	115.0%
October 1, 2005 \$	45,283	\$	58,779	\$	13,496	77.0%	\$	10,976	123.0%
October 1, 2006 \$	50,714	\$	69,881	\$	19,167	72.6%	\$	11,999	159.7%
October 1, 2007 \$	61,125	\$	77,471	\$	16,346	78.9%	\$	10,591	154.3%
October 1, 2008 \$	59,817	\$	85,831	\$	26,014	69.7%	\$	11,177	232.7%
October 1, 2009 \$	64,425	\$	95,058	\$	30,633	67.8%	\$	12,106	253.0%
October 1, 2010 \$	73,793	\$	100,684	\$	26,891	73.2%	\$	11,618	231.5%
October 1, 2011 \$	74,252	\$	109,037	\$	34,785	68.1%	\$	13,006	267.5%
October 1, 2012 \$	86,546	\$	114,813	\$	28,267	75.4%	\$	13,014	217.2%
October 1, 2013 \$	97,981	\$	123,723	\$	25,742	79.2%	\$	13,917	185.0%
October 1, 2014 \$	106,975	\$	136,072	\$	29,097	78.6%	\$	13,412	216.9%
October 1, 2015 \$	114,496	\$	144,947	\$	30,451	79.0%	\$	14,068	216.5%
October 1, 2016 \$	127,106	\$	163,696	\$	36,590	77.6%	\$	15,279	239.5%
October 1, 2017 \$	143,146	\$	177,190	\$	34,044	80.8%	\$	15,388	221.2%
October 1, 2018 \$	154,169	\$	188,611	\$	34,441	81.7%	\$	15,236	226.0%
October 1, 2019 \$	159,824	\$	194,401	\$	34,577	82.2%	\$	15,565	222.1%
October 1, 2020 \$	174,149	\$	205,444	\$	31,295	84.8%	\$	15,491	202.0%
October 1, 2021 \$	202,101	\$	228,334	\$	26,233	88.5%	\$	15,654	167.6%

D

Table IX (continued four)

IV. Schedule of Employer Contributions (As required by GASB #25)

Plan Year	Annual Required Contribution ¹	Percentage Contributed
(1)	(2)	(3)
1999	\$1,526,299	105%
2000	\$1,382,000	100%
2001	\$1,952,361	100%
2002	\$2,365,267	100%
2003	\$3,040,575	100%
2004	\$3,090,663	100%
2005	\$3,827,510	100%
2006	\$4,542,018	100%
2007	\$4,644,822	100%
2008	\$5,594,422	100%
2009	\$5,594,422	100%
2010	\$6,109,706	100%
2011	\$6,183,134	100%
2012	\$6,847,346	100%
2013	\$6,347,310	100%
2014	\$6,430,027 ²	100%
2015	\$6,361,217 ³	100%
2016	\$6,418,6044	100%
2017	\$7,272,1205	100%
2018	\$7,170,6246	100%
2019	\$7,174,869 ⁷	100%
2020	\$7,114,836 ⁸	100%
2021	\$7,087,833°	100%

¹ Determined by the prior year's actuarial valuation

² Because the Town made the entire contribution for 2013/14 in one payment on 10/21/13, the Town's funding requirement was \$5,503,045, not \$5,742,964 as shown in prior year's report.

³ Because the Town made the entire contribution for 2014/15 in one payment on 10/22/14, the Town's funding requirement was \$ 5,389,887, not \$ 5,613,748 as shown in prior year's report.

⁴ Because the Town made the entire contribution for 2015/16 in one payment on 10/20/15, the Town's funding requirement was \$ 5,480,624, not \$ 5,713,188 as shown in prior year's report.

⁵ Because the Town made the entire contribution for 2016/17 in one payment on 11/3/16, the Town's funding requirement was \$ 6,317,120, not \$ 6,566,704 as shown in prior year's report.

⁶Because the Town made the entire contribution for 2017/18 in one payment on 10/27/17, the Town's funding requirement was \$ 6,213,901, not \$ 6,465,208 as shown in prior year's report.

⁷ Because the Town made the entire contribution for 2018/19 in one payment on 10/31/18, the Town's funding requirement was \$ 5,998,562, not \$ 6,236,216 as shown in prior year's report.

⁸Because the Town made the entire contribution for 2019/20 in one payment on 10/25/19, the Town's funding requirement was \$ 5,825,333, not \$ 6,063,328 as shown in prior year's report.

⁹Because the Town made the entire contribution for 2020/21 in one payment on 11/3/20, the Town's funding requirement was \$ 5,808,873, not \$ 6,032,468 as shown in prior year's report.

Table IX (continued five)

V. Notes to Required Supplementary Information

The information presented in the required supplementary schedules was determined as part of the actuarial valuations at the dates indicated. Additional information as of the latest actuarial valuation:

Valuation Date Actuarial cost method Amortization method Remaining amortization period Asset valuation method Actuarial assumptions: Investment rate of return* Projected salary increases* Cost-of-living adjustments October 1, 2021 Entry Age Normal Level Percent Layered amortization 20 years See Table XI., Item 9.

6.95%5.50%2.0% per year with 130% cap and 5-year delay

* Includes inflation at 3.0%

Table IX

(continued six)

Accounting Disclosure Exhibit

VI. <u>Revenues by Source and Expenses by Type</u>

		Re	venues by Source	2	
Plan	Employee	Town	State	Investment	
Year	Contributions	Contributions	Contributions	Income	Total
2021	\$ 1,744,971	\$ 6,210,000	\$ 1,000,965	\$ 37,024,774	\$45,980,710
2020	\$ 1,502,033	\$ 6,367,000	\$ 1,055,365	\$ 15,017,521	\$23,941,919
2019	\$ 1,455,642	\$ 6,625,000	\$ 1,051,508	\$ 2,835,798	\$11,967,948
2018	\$ 2,026,436	\$ 6,223,000	\$ 938,653	\$ 13,921,851	\$23,109,940
2017	\$ 2,104,437	\$ 6,472,000	\$ 905,664	\$ 16,082,657	\$25,564,758
2016	\$ 1,724,745	\$ 5,672,500	\$ 858,749	\$ 10,535,050	\$18,791,044
2015	\$ 1,385,542	\$ 5,797,600	\$ 784,261	\$ 844,588	\$ 8,811,991
2014	\$ 1,670,986	\$ 5,503,045	\$ 747,469	\$ 9,263,596	\$17,185,096
2013	\$ 1,008,385	\$ 5,750,247	\$ 687,063	\$ 10,729,490	\$18,175,185
2012	\$ 1,000,501	\$ 6,203,084	\$ 644,262	\$ 13,527,481	\$21,375,328
2020 2019 2018 2017 2016 2015 2014 2013	 \$ 1,502,033 \$ 1,455,642 \$ 2,026,436 \$ 2,104,437 \$ 1,724,745 \$ 1,385,542 \$ 1,670,986 \$ 1,008,385 	\$ 6,367,000 \$ 6,625,000 \$ 6,223,000 \$ 6,472,000 \$ 5,672,500 \$ 5,797,600 \$ 5,503,045 \$ 5,750,247	 \$ 1,055,365 \$ 1,051,508 \$ 938,653 \$ 905,664 \$ 858,749 \$ 784,261 \$ 747,469 \$ 687,063 	\$ 15,017,521 \$ 2,835,798 \$ 13,921,851 \$ 16,082,657 \$ 10,535,050 \$ 844,588 \$ 9,263,596 \$ 10,729,490	\$23,941,919 \$11,967,948 \$23,109,940 \$25,564,758 \$18,791,044 \$8,811,991 \$17,185,096 \$18,175,185

_		Expenses by Type	
Plan	Benefits &		
Year	DROP Payments	Expenses Refunds	Total
2021	\$ 10,092,596	\$ 974,308 \$ 60,704	\$ 11,127,608
2020	\$ 9,591,523	\$ 986,993 \$ 87,815	\$ 10,666,331
2019	\$ 8,887,203	\$ 979,426 \$ 89,078	\$ 9,955,707
2018	\$ 7,862,170	\$ 916,489 \$ 106,404	\$ 8,885,063
2017	\$ 6,867,328	\$ 866,276 \$ 36,851	\$ 7,770,455
			+
2016	\$ 6,637,331	\$ 653,395 \$ 43,243	\$ 6,680,574
2015	\$ 5,883,266	\$ 628,403 \$ 13,122	\$ 6,524,791
2014	\$ 5,400,475	\$ 746,285 \$ 31,616	\$ 6,178,376
2013	\$ 4,850,525	\$ 697,282 \$ 9,457	\$ 5,557,264
2012	\$ 4,817,431	\$ 646,042 \$ 45,866	\$ 5,509,339

Contributions were made in accordance with actuarially determined contribution requirements.

- 20 -

Table X

TOWN OF DAVIE POLICE PENSION PLANOutline of Principal Provisions of the Plan

1. Effective Date:

May 1, 1976. The most recent plan amendments recognized was Ordinances 2011- 18 and 2011- 19. The ordinances were adopted on April 20, 2011.

2. Eligibility Requirements:

Effective August 6, 1981, all Police employees in the regular full-time service of the Town are eligible upon the attainment of age 18. Part-time employees who work less than 20 hours per week or five (5) months per year are excluded from participation in the plan.

3. <u>Tier One and Tier Two Participants:</u>

Police Officers hired prior to the creation of the Tier Two plan structure (April 20, 2011) are classified as Tier One Participants, otherwise, they are classified as Tier Two Participants.

4. Benefit Service:

Service of a member from employment date as a certified police officer through termination date measured in years and completed months. A member may buy back up to a total of four (4) years of prior military and sworn police service by paying the true actuarial cost of the increase service.

5. Basic Compensation:

Basic rate of salary paid to an employee including longevity pay and assignment pay but excluding overtime, bonuses and commissions. Payments for unused leave time (vacation, sick leave, etc.) are excluded. Effective October 1, 2001, basic compensation includes up to 70 hours of overtime pay per year. Effective October 1, 2003, basic compensation includes up to 120 hours of overtime pay per year. The limit on overtime hours increased to 150 hours effective October 1, 2001.

6. Final Average Earnings (FAE):

Final Average Earnings is defined as the higher of (i) average monthly rate of basic compensation during the final thirty-six (36) successive calendar months of Benefit Service, or (ii) average monthly rate of basic compensation of the best five (5) of the last ten (10) years of Benefit Service, preceding actual retirement or termination.

7. <u>Employee Contributions:</u>

9.0% of basic compensation.

Table X (continued two)

8. Accrued Benefit

For Tier One Participants:

The monthly accrued benefit is equal to 3.0% times FAE multiplied by the years and months of Benefit Service for the first 10 years, plus 4.0% times FAE for the next five (5) years of Benefit Service, plus 5.0% times FAE for the next five (5) years of Benefit Service, plus 2.0% of FAE times the next 10 years of Benefit Service. The maximum benefit is limited to 95% of FAE. However, after $47\frac{1}{2}$ years of Benefit Service, benefits shall recommence at a rate of 2.0% of FAE per year.

For Tier Two Participants:

The monthly accrued benefit is equal to 3.0% times FAE multiplied by the years and months of Benefit Service for the first 20 years, plus 2.0% times FAE for each subsequent year of Benefit Service, subject to a maximum benefit of 80% of FAE. However, after 40 years of Benefit Service, benefits shall recommence at a rate of 2.0% of FAE per year.

9. Normal Retirement Date:

The first of the month coincident with or next following the earlier of (i) completion of 20 years of Benefit Service or (ii) the attainment of age 55. For a vested terminated member with at least 15 years of Benefit Service, full deferred accrued benefit would be payable on the first of the month coincident with or next following the anniversary of the date that the member would have completed 20 years of Benefit Service.

10. Amount of Normal Retirement Income:

The monthly amount of Accrued Benefit, payable in the normal form of payment to a participant on his or her Normal Retirement Date.

11. Early Retirement Date:

Attainment of age 50 and completion of 10 years of Benefit Service.

12. Amount of Early Retirement Income:

The monthly amount of Accrued Benefit, payable in the normal form of payment to a participant on his Early Retirement Date.

The benefit will be reduced for early payment so that it is actuarially equivalent to the normal retirement benefit. Effective May 1, 2011, the early retirement reduction will be 3.0% per year for each year prior to Normal Retirement Date.

The participant also has the option of deferring the commencement of his monthly benefit to his Normal Retirement Date, the earlier of the date he would have attained 20 years of Benefit Service (provided he has completed 15 years of actual Benefit Service) or age 55. In such case there would be no actuarial reduction to his monthly benefit.

Table X (continued three)

13. <u>Delayed Retirement Date:</u>

A member may continue to work beyond his Normal Retirement Date and retire on any subsequent first day of the month.

14. Amount of Delayed Retirement Income:

The monthly amount of Accrued Benefit, payable in the normal form of payment to a participant who retires on his Delayed Retirement Date.

15. Benefits on Termination of Service:

In the event of termination of service prior to Normal Retirement Date, for reasons other than death, early retirement or disability, a monthly benefit equal to Accrued Benefit times the vested percentage below will be payable commencing on Normal Retirement Date.

In lieu of this deferred benefit, a participant may elect to receive the return of his employee contributions.

Years of	
Benefit Service	Vested
With the Town	Percentage
Less than 10	0%
10 or more	100%

16. Permissive Service Credit Purchases:

- a. A vested active participant shall be permitted to purchase permissive service credit in the form of an increased benefit accrual factor, which may be purchased in one percent (1.0%) increments above the participant's accrued benefit percentage, in an amount not to exceed twenty percent (20%) of FAE. The maximum amount of benefit accrual will remain at ninety-five percent (95%) of FAE for Tier One participants and eighty percent (80%) for Tier Two participants. The purchase cost would be the <u>full</u> actuarial cost of the increased benefit accrual multiplier and must be paid in full prior to the granting of the increased benefits.
- b. A vested active participant shall be permitted to purchase permissive service credit expressed as an earlier normal retirement date. Under such proposal, a participant would be able to receive an unreduced normal retirement benefit as early as upon the completion of 15 years of Benefit Service (instead of 20), if a purchase of the maximum of five (5) years of permissive service credit were made. However, the participant would not accrue a higher multiplier, but would be permitted to begin receiving an unreduced retirement benefit with fewer years of actual service. The purchase cost would be the full actuarial cost of the earlier commencement of retirement benefits and must be paid in full prior to the granting of the increased benefits.

Table X (continued four)

c. The cost of either purchase may be made either in one lump sum or made in payroll deductions installments for a period not to exceed five (5) years, with 7.0% per annum interest added, and must be completed prior to commencement of any enhanced benefit.

17. Disability Retirement Benefits:

For a member totally and permanently disabled where the disability is service-connected, the monthly benefit shall be equal to the greater of (i) 66-2/3% of such member's base pay at time of disability, less any benefits payable by Federal Old Age, Survivors and Disability Insurance, Worker's Compensation benefits or other disability benefits payable from Broward County or the Town because of disability, age or unemployment. Effective May 1, 2011, the benefit after offset shall in no case be less than the member's Accrued Benefit at date of disability or (ii) forty-two percent (42%) of FAE payable as a ten year certain and life annuity. The monthly non-service connected benefit is the greater of \$100 or 1.5% times FAE multiplied by the number of years of Benefit Service, less any of the offset amounts described above. Effective May 1, 2011, the minimum non-service connected disability benefit shall be the greater of the Accrued Benefit or twenty-five percent (25%) of FAE, payable as a ten year certain and life annuity. In no event will the service-connected benefit be less than the non-service connected benefit. Benefits shall be payable starting six (6) months after termination of service for disability, and will be payable for life or until recovery.

18. Death Benefits:

a. <u>Prior to retirement</u>: If death is non-service connected or member had no spouse to whom he had been married to for at least one (1) year prior to death, the death benefit shall be the return of accumulated employee contributions plus prior plan benefits, if any. However, if a member had at least 10 years of Benefit Service at the time of death, then his or her beneficiary will be entitled to the benefits otherwise payable to the member at Early or Normal Retirement Date.

If death is service-connected and member has an eligible spouse to whom he had been married for at least one (1) year prior to death, such spouse shall be entitled to a monthly annuity equal to the greater of (i) 50% of base pay at his date of death, or (ii) Accrued Benefit payable to the eligible spouse on the date of what would have been the member's Normal Retirement Date. Such pension shall continue to the spouse until the spouse's death, with a guarantee that such benefits will at least equal the accumulated contributions at his date of death. If a member had no eligible spouse but had at least 10 years of Benefit Service at the time of death, then his or her beneficiary will be entitled to the benefits otherwise payable to the member at Early or Normal Retirement Date.

b. <u>After retirement</u>: If a member had elected a joint and survivor or a 10 year certain and life optional form of payment, the adjusted monthly benefit will be continued to the beneficiary until the appropriate annuity ending date. Total benefits payable the member and his beneficiary will not be less than the amount of accumulated contributions at date of retirement.

Table X (continued five)

- 24 -

19. Normal Form of Retirement Income:

For a married participant, the normal form of retirement income will be monthly payments for life of the member, with benefit continuing to spouse after member's death for one (1) year and 60% of benefit payable to spouse thereafter. The benefit amount is not reduced due to this form of payment. The participant may also elect to receive the benefit as an unreduced ten year certain and life annuity.

For an unmarried participant, the normal form of payment will be an unreduced ten year certain and life annuity.

20. Optional Forms of Retirement Income:

The following optional forms of retirement income may be elected by a member without presenting evidence of good health, if elected at least one year prior to his date of retirement:

- <u>Option 1</u> A single life annuity payable during the lifetime of the participant only.
- <u>Option 2</u> A retirement annuity payable to the member during the joint lifetime of the member and a joint pensioner designated by the member, and following the death of either of them, 50%, 66-2/3%, 75%, or 100% depending on the retiree's election, of such smaller monthly amount payable to the survivor for the lifetime of the survivor.
- Option 3 A monthly annuity payable to the member for ten years certain and life thereafter.

21. Deferred Retirement Option Plan (DROP):

The DROP is available only if the member makes an irrevocable election to participate after meeting the eligibility for Normal Retirement Benefit. For members who entered the DROP before October 1, 2020, there is a five (5) year maximum participation period, after which the employee is deemed separated from the Town. For members who entered the DROP on or after October 1, 2020, there is a six (6) year maximum participation period, after which the employee is deemed separated from the Town. In no event can a member who enters the DROP exceed 30 years of total Benefit Service plus years of DROP participation. If the member dies or becomes disabled during the DROP period, the member will have presumed to have retired on a normal retirement on the day prior to disability or death.

22. Cost of Living Adjustments (COLA):

An annual COLA will be provided to retirees and beneficiaries. The amount of the COLA will be 2.0% per year. For recipients who retired prior to October 1, 1997, the monthly benefit after the yearly COLA will not exceed 115% of the original monthly benefit prior to any COLA. For post October 1, 1997 retirees, the limit for future monthly benefits after COLA will be 130% of the original benefit amounts prior to any COLA. The first annual COLA will commence on the fifth anniversary of retirement, but no earlier than November 1, 2004.

23. Changes from October 1, 2020 Valuation:

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None.

Table XI

TOWN OF DAVIE POLICE PENSION PLAN

Actuarial Assumptions and Actuarial Cost Methods

1. Mortality:

<u>Pre-Retirement:</u>
Female Non-Disabled: PUB-2010 Headcount Weighted Safety Employee Female Table, set forward 1 year, Scale MP-2018
Male Non-Disabled: PUB-2010 Headcount Weighted Safety Below Median Employee Male Table, set forward 1 year, scale MP-2018
<u>Post-Retirement:</u>
Female Non-Disabled: PUB-2010 Headcount Weighted Safety Healthy Retiree Female Table, set forward 1 year, Scale MP-2018
Male Non-Disabled: PUB-2010 Headcount Weighted Safety Below Median Healthy Retiree Male Table, set forward 1 year, Scale MP-2018
Male Non-Disabled: PUB-2010 Headcount Weighted Safety Below Median Healthy Retiree Male Table, set forward 1 year, Scale MP-2018
Pre-Retirement & Post-Retirement:
Female Disabled: 80% PUB-2010 Headcount Weighted General Disabled Retiree Female Table; 20% PUB-2010 Headcount Weighted Safety Disabled Retiree Female Table, Scale MP-2018
Male Disabled: 80% PUB-2010 Headcount Weighted General Disabled Retiree Male Table; 20% PUB-2010 Headcount Weighted General Disabled Retiree Male Table; 20% PUB-2010 Headcount Weighted General Disabled Retiree Male Table; 20% PUB-2010 Headcount Weighted General Disabled Retiree Male Table; 20% PUB-2010 Headcount Weighted General Disabled Retiree Male Table; 20% PUB-2010 Headcount Weighted General Disabled Retiree Male Table; 20% PUB-2010 Headcount Weighted General Disabled Retiree Male Table; 20% PUB-2010 Headcount Weighted General Disabled Retiree Male Table; 20% PUB-2010 Headcount Weighted General Disabled Retiree Male Table; 20% PUB-2010 Headcount Weighted General Disabled Retiree Male Table; 20% PUB-2010 Headcount Weighted General Disabled Retiree Male Table; 20% PUB-2010 Headcount Weighted General Disabled Retiree Male Table; 20% PUB-2010 Headcount Weighted Retiree Male Table, Scale MP-2018

2. Interest to be Earned by Fund:

6.95%, compounded annually, net of investment expenses.

3. Allowances for Expenses or Contingencies:

Estimated by net of investment fees paid during previous year.

4. Employee Withdrawal Rates:

Withdrawal rates were used in accordance with tables per the following illustrative example:

	Withdrawal Rates Per 100 Employees				
Age	Male	Female			
20	8.4	14.0			
25	5.6	8.4			
30	3.9	5.6			
35	2.8	3.9			
40	1.7	2.8			
45	1.1	1.7			
50	0.2	1.1			
55 & over	0.0	0.0			

Table XI (continued two)

5. Assumptions on Pensionable Overtime Hours

Each member is assumed to continue to work the same number of overtime hours as in the most recent plan year, subject to the 300 hours maximum, for each future year.

6. <u>Disability Rates</u>:

The 1985 Disability Study - Class 1 with separate male and female rates were used. 75% of disabilities assumed to be service incurred, 25% assumed to be non-service incurred.

7. <u>Salary Increase Factors</u>:

Current salaries were assumed to increase at a rate of 5.5% per year until retirement.

8. <u>Rates of Retirement:</u>

The following are the retirement rates assumed for the participants eligible for retirement:

more years	s with 20 or of Credited vice	Participants who attained age 55 with 10 or more years of Credited Service
Years of		
Credited Service	Percentage Retiring	
20	65%	100 % retiring upon eligibility
21-24	50%	
25 and over	100%	

However, active participants eligible for retirement that have less than 20 years of Benefit Service as of the valuation date are assumed to have a minimum of one year future service.

9. <u>Asset Valuation Method</u>:

The actuarial value of assets is determined by smoothing the differences between actual investment earnings and assumed investment return over three (3) years. This method was adopted effective October 1, 2007 with no phase-in. The resulting value would then be limited to between 80% and 120% of market value.

10. Actuarial Cost Method:

Normal Retirement, Termination, Disability and Pre-Retirement Death Benefits: Entry-Actuarial Cost Method.

Table XI (continued three)

Under this method the normal cost for each active employee is the amount which is calculated to be a level percentage of pay that would be required annually from his date of hire to his retirement age to fund his estimated benefits, assuming the plan had always been in effect. The normal cost for the plan is the sum of the individual normal costs for all active participants. The actuarial accrued liability as of any valuation date for each active employee or inactive employee who is eligible to receive benefits under the plan is the excess of the actuarial present value of estimated future benefits over the actuarial present value of current and future normal costs. The unfunded actuarial accrued liability as of any valuation date is the excess of the actuarial accrued liability over the actuarial value of assets of the plan.

11. <u>Marriage Assumptions:</u>

100% of active participants were assumed married, with husbands three (3) years older than wives.

12. <u>Valuation of Normal Form of Payment:</u>

The normal form of payment is valued as an unreduced joint and 60% survivor annuity benefit for married members. For unmarried members, the normal form of payment is valued as a ten year certain and life annuity.

- 13. Changes from October 1, 2020 Actuarial Valuation
 - 1. The assumed interest to be earned by the Fund was changed from 7.40% to 6.95%, net of investment expenses, per annum.
 - 2. Any existing amortization bases with a remaining amortization period greater than 20 years are reduced to 20 years.

- 28 -

Table XII

TOWN OF DAVIE POLICE PENSION PLAN

Distribution of Active Participants by Age and Service Groups as of October 1, 2021

Years of Credited Service

Age	<u>0 - 4</u>	5 - 9	<u>10 - 14</u>	<u>15 - 19</u>	<u>20 - 24</u>	<u> 25 - 29</u>	<u>30 & Over</u>	Total
Under 25	5							5
25 - 29	22	9		•	•		•	31
30 - 34	11	18	5	•	•		•	34
35 - 39	4	9	15	1				29
40 - 44	2	3	4	13	4			26
45 - 49			5	12	4			21
50 - 54	3		2	3				8
55 - 59	1	2						3
60 - 64								0
65 & Over	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	0
TOTAL	48	41	31	29	8	•		157
			<u>10/01</u>	<u>1/2020</u> <u>1</u>	0/01/2021			

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Average Attained Age	37.65 years	37.41 years
Average Pay	\$97,427	\$99,708
Percent Female	18.87%	17.20%

Table XIII

TOWN OF DAVIE POLICE PENSION PLAN

Reconciliation of Participant Data

A. Active Participants

	1. Active participants previous year	159
	2. Retired during year	(1)
	3. Entered DROP during year	(12)
	4. Died during year	0
	5. Disabled during year	(0)
	6. Terminated vested during year	(0)
	7. Terminated non-vested during period	(1)
	8. New active participants	12
	9 Rehired	0
1	0. Active participants current year	157
B	Participants Receiving Benefits	
	1. Participants receiving benefits previous year	124
	2. New retired participants	0
	3. New terminated vested receiving benefits	0
	4. New disabled receiving benefits	1
	5. New beneficiaries receiving benefits	0
	6. DROP participants exited and retired	5
	7. Died or ceased payment during year	(1)
	8. Retired or terminated vested receiving benefits current year	129
C. <u>′</u>	Terminated Participants Entitled to Future Benefits	
	1. Terminated participants entitled to future benefits previous year	4
	2. Died during year	0
	3. Rehired	0
	4. Commenced receiving benefits during year	0
	5. New terminated participants	0
	6. Terminated participants entitled to future benefits current year	4
D	DROP Participants	
	1. DROP participants previous year	27
	2. New entrants during year	12
	3. Died during year	0
	4. Exited and retired during year	(5)
	5. DROP participants current year	34

Table XIV

TOWN OF DAVIE POLICE PENSION PLAN

Statistics for Participants Entitled to Deferred Vested Benefits and Participants Receiving Payments

A. Entitled to Deferred Benefits

Current Age Group	<u>Count</u>	Total Annual Benefit	Average Annual Benefit
Less than 40	0	\$ 0	\$ 0
40 - 44	2	60,259	30,129
45 - 49	1	28,155	28,155
50 - 54	1	36,440	36,440
55 - 59	0	0	0
60 - 64	0	0	0
65 & over	0	0	0
TOTAL	4	\$ 124,854	\$ 31,213

B. <u>Receiving Benefits (includes DROP participants)</u>

Current Age Group	<u>Count</u>	Total Annual Benefit	Average Annual Benefit
Less than 40	4	\$ 55,464	\$ 13,866
40 - 44	5	392,707	78,541
45 - 49	15	1,406,205	93,747
50 - 54	35	3,079,544	87,987
55 - 59	39	2,971,791	76,200
60 - 64	29	1,816,414	62,635
65 & over	36	1,852,587	51,461
TOTAL	163	\$11,574,712	\$ 71,011

Table XV

TOWN OF DAVIE POLICE PENSION PLAN

Recent Investment, Salary Increase, and Turnover Experience

A. <u>Investment Return</u>

Comparison of actual to assumed investment return for the last five years:

	Rate of Return				
	Market	Actuarial			
Year Ended	Value	Value	Assumed		
09/30/2021	20.3%	16.9%	7.40%		
09/30/2020	9.1%	9.6%	7.50%		
09/30/2019	2.3%	3.7%	7.50%		
09/30/2018	8.9%	7.4%	7.50%		
09/30/2017	11.8%	10.6%	7.60%		
Last 3 Yrs.	10.3%	9.9%	7.47%		
Last 5 Yrs.	10.3%	9.6%	7.50%		

B. <u>Recent Salary Increase and Turnover Experience</u>

_	Salary Increase		
Year Ended	Actual	Assumed	Ratio of Actual Turnover to Expected
09/30/2021	5.6%	5.50%	0.23
09/30/2020	3.5%	5.50%	1.16
09/30/2019	7.7%	5.50%	1.09
09/30/2018	3.9%	5.50%	0.97
09/30/2017	3.7%	5.50%	0.94
Last 3 Yrs.	5.6%	5.50%	0.83
Last 5 Yrs.	4.9%	5.50%	0.88

Table XVI

- 32 -

TOWN OF DAVIE POLICE PENSION PLAN

State Required Exhibit

A Participant Data 1. Active participants and beneficiaries receiving benefits 2. Retired participants and beneficiaries receiving benefits 3. Beneficiaries due deferred benefits 4. DROP participants 5. Disabled participants receiving benefits 5. Disabled participants receiving benefits 5. Disabled participants receiving benefits 5. Disabled participants receiving benefits 5. Disabled participants receiving benefits 6. Terminated vested participants 5. Annual participants 5. I 5490,823 7. Total participants 7. Fordup articipants 7. Annual benefits payable to those currently receiving benefits 7. Annual benefits payable to those currently receiving benefits 7. Annual benefits payable to those currently receiving benefits 1. Annual benefits payable to DROP participants 8. Z.570,702 8. Z02,100,656 2. Market value 5. I 124,854 1. Actuarial value 5. I 174,149,065 2. Market value 6. Liabilities 1. Actuarial present value of future expected benefit payments for active members a. Retirement benefits 2. Actuarial present value of future expected benefit payments for terminated vested members 2. Actuarial present value of future expected benefit payments for terminated vested members 3. Actuarial present value of future expected benefit payments for themeficianics value of future expected benefit payments				10/1/2020	 10/1/2021
2.Retired participants and beneficiaries receiving benefits1181233.Beneficiaries due deferred benefits004.DROP participants27345.Disabled participants receiving benefits666.Terminated vested participants447.Total participants3143248.Annual payroll of active participants\$\$15,490,823\$\$15,654,0879.Annual benefits payable to beneficiaries due deferred benefits00011.Annual benefits payable to beneficiaries due deferred benefits00011.Annual benefits payable to DROP participants\$2,570,702\$3,233,0958.Value of Assets1Actuarial present value\$174,149,065\$202,100,6562.Market value\$174,149,065\$202,100,656\$202,100,6562.Market value\$174,149,065\$202,100,656\$2,902,7603,243,045c.Liabilities1Actuarial present value of future expected benefit payments for active members1,382,3131,569,5221,362,313a.Retirement benefits1,382,3131,569,5224,444,389562,673d.Disability benefits1,382,3131,569,5226,753,876\$98,095,9373.Actuarial present value of future expected benefit payments for beneficiaries due deferred benefit payments for beneficiaries due deferred ben	A.	Parti	icipant Data		
3.Beneficiaries due deferred benefits004.DROP participants27345.Disable participants receiving benefits666.Terminated vested participants3143248.Annual payroll of active participants\$ 15,490,823\$ 15,654,0879.Annual benefits payable to those currently receiving benefits7,693,180 $8,341,617$ 10.Annual benefits payable to beneficiaries due deferred benefits0011.Annual benefits payable to terminated deferred benefits124,854124,85412.Annual benefits payable to DROP participants\$ 2,570,702\$ 3,233,0958.Value of Assets\$ 174,149,065\$ 202,100,6562.Market value\$ 172,609,209\$ 207,462,311C.Liabilities\$ 109,151,9361.Actuarial present value of future expected benefit payments for active members a Retirement benefits\$ 109,227,2763,243,045c. Death benefits $4,389$ $562,673$ d. Disability benefits $1,382,313$ $1,559,322$ e. Total\$ 109,227,275\$ 114,526,9762.Actuarial present value of future expected benefit payments for terminated vested members\$ 939,279\$ 1,113,6173.Actuarial present value of future expected benefit payments for theneficiaries due deferred benefits004.Actuarial present value of future expected benefit payments for theneficiaries due deferred benefits004.Actuarial present v		1.	Active participants	159	157
4.DROP participants27345.Disabled participants receiving benefits666.Terminated vested participants3143147.Total participants3143148.Annual bayroll of active participants\$ 15,490,823\$ 15,654,0879.Annual benefits payable to those currently receiving benefits7,693,180 $8,341,617$ 10.Annual benefits payable to beneficiaries due deferred benefits0011.Annual benefits payable to terminated deferred benefits124,854124,85412.Annual benefits payable to DROP participants\$ 2,570,702\$ 3,233,095B.Value of Assets11.Actuarial value\$ 174,149,065\$ 202,100,6562.Market value\$ 172,609,209\$ 207,462,311C.Liabilities11.Actuarial present value of future expected benefit payments for active members a. Retirement benefits2,902,7603,243,045c. Death benefits1.382,3131.569,322e. Total\$ 109,227,275\$ 114,526,9762.Actuarial present value of future expected benefit payments for terminated vested members03.Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits04.Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits03.Actuarial present value of future expected benefit payments for beneficiarie		2.	Retired participants and beneficiaries receiving benefits	118	123
5.Disabled participants receiving benefits666.Terminated vested participants3143247.Total participants3143248.Annual benefits payable to those currently receiving benefits7,693,180 $\$,341,617$ 10.Annual benefits payable to those currently receiving benefits0011.Annual benefits payable to the beneficiaries due deferred benefits0011.Annual benefits payable to terminated deferred benefits124,854124,85412.Annual benefits payable to DROP participants\$ 2,570,702\$ 3,233,0958.Value of Assets1Actuarial value\$ 174,149,065\$ 202,100,6562.Market value\$ 174,149,065\$ 202,100,656\$ 207,462,311CLiabilities1.Actuarial present value of future expected benefit payments for active members3,243,045\$ 109,151,936a. Retirement benefits2,902,7603,243,045\$ 26,2673d. Disability benefits1,382,3131,569,322\$ 109,227,275\$ 114,526,9762.Actuarial present value of future expected benefit payments for terminated vested members 0 03.Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits004.Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits004.Actuarial present value of future expected benefit payments for benefic		3.	Beneficiaries due deferred benefits	0	0
5.Disabled participants receiving benefits666.Terminated vested participants3143247.Total participants3143248.Annual payroll of active participants\$ 15,490,823\$ 15,654,0879.Annual benefits payable to those currently receiving benefits7,693,180 $\&,341,617$ 10.Annual benefits payable to beneficiaries due deferred benefits0011.Annual benefits payable to terminated deferred benefits124,854124,85412.Annual benefits payable to DROP participants\$ 2,570,702\$ 3,233,0958.Value of Assets1Actuarial value\$ 174,149,065\$ 202,100,6562.Market value\$ 174,149,065\$ 202,100,656\$ 207,462,311CLiabilities1.Actuarial present value of future expected benefit payments for active members3,243,045\$ 109,151,936b. Vesting benefits2,902,7603,243,045\$ 2,902,7603,243,045c. Death benefits1,382,3131,569,322\$ 109,227,275\$ 114,526,9762.Actuarial present value of future expected benefit payments for terminated vested members\$ 939,279\$ 1,113,6173.Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits004.Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits004.Actuarial present value of future expected benefit pay		4.	DROP participants	27	34
		5.		6	6
		6.		4	4
9.Annual benefits payable to those currently receiving benefits7,693,1808,341,61710.Annual benefits payable to beneficiaries due deferred benefits0011.Annual benefits payable to terminated deferred benefits124,854124,85412.Annual benefits payable to DROP participants\$ 2,570,702\$ 3,233,095B.Value of Assets\$ 174,149,065\$ 202,100,6562.Market value\$ 174,149,065\$ 202,100,6562.Market value\$ 172,609,209\$ 207,462,311C.Liabilities1.Actuarial present value of future expected benefit payments for active members a. Retirement benefits\$ 104,447,813\$ 109,151,936b. Vesting benefits2,902,7603,243,045\$ 2,902,7603,243,045c.Death benefits1,382,3131,569,322e. Total\$ 109,227,275\$ 114,526,9762.Actuarial present value of future expected benefit payments for therminated vested members\$ 939,279\$ 1,113,6173.Actuarial present value of future expected benefit payments for those receiving benefits004.Actuarial present value of future expected benefit payments for those receiving benefits004.Actuarial present value of future expected benefit payments for those receiving benefits004.Actuarial present value of future expected benefit payments for those receiving benefits3,52,40,03446,541,925a. Service retired\$ 86,753,874\$ 98,095,9373,364,6		7.	Total participants	314	324
10.Annual benefits payable to beneficiaries due deferred benefits0011.Annual benefits payable to terminated deferred benefits124,854124,85412.Annual benefits payable to DROP participants\$ 2,570,702\$ 3,233,095B.Value of Assets\$ 174,149,065\$ 202,100,6562.Market value\$ 174,149,065\$ 202,100,6562.Market value\$ 172,609,209\$ 207,462,311C.Liabilities1.Actuarial present value of future expected benefit payments for active members a. Retirement benefits\$ 104,447,813\$ 109,151,936b. Vesting benefits2,902,7603,243,045\$ 2,902,7603,243,045c.Death benefits $494,389$ 562,673d. Disability benefits $1,382,313$ $1,569,322$ e. Total\$ 109,227,275\$ 114,526,9762.Actuarial present value of future expected benefit payments for terminated vested members 0 3.Actuarial present value of future expected benefit payments for theoreticaries due deferred benefits 0 4.Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits 0 a. Service retired\$ 86,753,874\$ 98,095,937b. DROP participants $3,252,413$ $3,364,636$ d. Beneficiaries $4,278,682$ $4,325,353$		8.	Annual payroll of active participants	\$ 15,490,823	\$ 15,654,087
11.Annual benefits payable to terminated deferred benefits124,854124,85412.Annual benefits payable to DROP participants\$ 2,570,702\$ 3,233,095B.Value of Assets\$ 174,149,065\$ 202,100,6562.Market value\$ 174,149,065\$ 202,100,6562.Market value\$ 172,609,209\$ 207,462,311C.Liabilities1.Actuarial present value of future expected benefit payments for active members a. Retirement benefits\$ 104,447,813\$ 109,151,936b. Vesting benefits2,902,7603,243,045\$ 2,902,7603,243,045c.Death benefits494,389562,673d. Disability benefits1,382,3131,569,322e. Total\$ 109,227,275\$ 114,526,9762.Actuarial present value of future expected benefit payments for terminated vested members\$ 939,279\$ 1,113,6173.Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits004.Actuarial present value of future expected benefit payments for those receiving benefits3 5,240,03446,541,925a. Service retired\$ 86,753,874\$ 98,095,937\$98,095,937b. DROP participants35,240,03446,541,925\$ 3,252,4133,364,636d. Beneficiaries4,2278,6824,325,353		9.	Annual benefits payable to those currently receiving benefits	7,693,180	8,341,617
12.Annual benefits payable to DROP participants\$ 2,570,702\$ 3,233,095B.Value of Assets1.Actuarial value\$ 174,149,065\$ 202,100,6562.Market value\$ 172,609,209\$ 207,462,311C.Liabilities1.Actuarial present value of future expected benefit payments for active members a. Retirement benefits\$ 104,447,813\$ 109,151,936b. Vesting benefits2,902,7603,243,045c. Death benefits494,389562,673d. Disability benefits1,382,3131,569,322e. Total\$ 109,227,275\$ 114,526,9762.Actuarial present value of future expected benefit payments for terminated vested members\$ 939,279\$ 1,113,6173.Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits004.Actuarial present value of future expected benefit payments for those receiving benefits004.Actuarial present value of future expected benefit payments for those receiving benefits3 252,4133,364,636a. Service retired\$ 86,753,874\$ 98,095,937\$ 5,240,03446,541,925c. Disability retired3,252,4133,364,6364,325,353		10.	Annual benefits payable to beneficiaries due deferred benefits	0	0
B. Value of Assets 1. Actuarial value $$174,149,065$ $$202,100,656$ 2. Market value $$172,609,209$ $$207,462,311$ C. Liabilities 1. Actuarial present value of future expected benefit payments for active members a. Retirement benefits $$104,447,813$ $$109,151,936$ b. Vesting benefits $$2,902,760$ $3,243,045$ c. Death benefits $$1,382,313$ $$1,569,322$ e. Total $$109,227,275$ $$114,526,976$ 2. Actuarial present value of future expected benefit payments for terminated vested members $$939,279$ $$1,113,617$ 3. Actuarial present value of future expected benefit payments for beneficiaries due deferred benefit payments a. Service retired $$86,753,874$ $$98,095,937$ b. DROP participants $$35,240,034$ $46,541,925$ c. Disability retired $$3,252,413$ $3,364,636$ d. Beneficiaries $$4,228,682$ $$4,325,353$		11.	Annual benefits payable to terminated deferred benefits	124,854	124,854
1.Actuarial value\$ 174,149,065\$ 202,100,6562.Market value\$ 172,609,209\$ 207,462,311C.Liabilities1.Actuarial present value of future expected benefit payments for active members a. Retirement benefits\$ 104,447,813\$ 109,151,936b. Vesting benefits2,902,7603,243,045c. Death benefits494,389562,673d. Disability benefits1,382,3131,569,322e. Total\$ 109,227,275\$ 114,526,9762.Actuarial present value of future expected benefit payments for terminated vested members\$ 939,279\$ 1,113,6173.Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits004.Actuarial present value of future expected benefit payments for those receiving benefits a. Service retired\$ 86,753,874\$ 98,095,937b. DROP participants c. Disability retired3,252,4133,364,636d. Beneficiaries4,278,6824,325,353		12.	Annual benefits payable to DROP participants	\$ 2,570,702	\$ 3,233,095
 Market value \$ 172,609,209 \$ 207,462,311 C. Liabilities Actuarial present value of future expected benefit payments for active members Retirement benefits Vesting benefits 2,902,760 3,243,045 494,389 562,673 d. Disability benefits 1,382,313 1,569,322 e.Total 109,227,275 114,526,976 Actuarial present value of future expected benefit payments for terminated vested members 939,279 1,113,617 Actuarial present value of future expected benefit payments for beneficiaries due deferred benefit payments for those receiving benefits Actuarial present value of future expected benefit payments for hose receiving benefits Service retired 8 86,753,874 98,095,937 DROP participants 3,524,034 46,541,925 C. Disability retired 3,252,413 3,364,636 d. Beneficiaries 4,278,682 4,325,353 	B.	Valu	ie of Assets		
C. Liabilities 1. Actuarial present value of future expected benefit payments for active members a. Retirement benefits \$ 104,447,813 \$ 109,151,936 b. Vesting benefits 2,902,760 3,243,045 c. Death benefits 494,389 562,673 d. Disability benefits 1,382,313 1,569,322 e.Total \$ 109,227,275 \$ 114,526,976 2. Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits 0 0 3. Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits 0 0 4. Actuarial present value of future expected benefit payments for bose receiving benefits 0 0 a. Service retired \$ 86,753,874 \$ 98,095,937 b. DROP participants 3,252,413 3,364,636 d. Beneficiaries 4,278,682 4,325,353		1.	Actuarial value	\$ 174,149,065	\$ 202,100,656
1.Actuarial present value of future expected benefit payments for active members a. Retirement benefits\$ 104,447,813\$ 109,151,936 \$ 109,151,936 b. Vesting benefitsb. Vesting benefits $2,902,760$ $3,243,045$ c. Death benefits $494,389$ $562,673$ d. Disability benefitsd. Disability benefits $1,382,313$ $1,569,322$ e.Total $1,382,313$ $1,569,322$ e.Total2.Actuarial present value of future expected benefit payments for terminated vested members\$ 939,279\$ 114,526,9763.Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits 0 0 4.Actuarial present value of future expected benefit payments for those receiving benefits 0 0 4.Actuarial present value of future expected benefit payments for those receiving benefits $3,243,045$ 0 5.DROP participants $35,240,034$ $46,541,925$ c.Disability retired $3,252,413$ $3,364,636$ d.Beneficiaries $4,278,682$ $4,325,353$		2.	Market value	\$ 172,609,209	\$ 207,462,311
1.for active membersa. Retirement benefits\$ 104,447,813\$ 109,151,936b. Vesting benefits2,902,7603,243,045c. Death benefits494,389562,673d. Disability benefits	C.	<u>Liab</u>	<u>vilities</u>		
b. Vesting benefits 2,902,760 3,243,045 c. Death benefits 494,389 562,673 d. Disability benefits 1,382,313 1,569,322 e.Total $$109,227,275$ $$114,526,976$ 2. Actuarial present value of future expected benefit payments for terminated vested members $$939,279$ $$1,113,617$ 3. Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits 0 0 4. Actuarial present value of future expected benefit payments for those receiving benefits a. Service retired $$86,753,874$ $$98,095,937$ b. DROP participants 35,240,034 46,541,925 c. Disability retired 3,252,413 3,364,636 d. Beneficiaries $4,2278,682$ 4,325,353		1.			
c. Death benefits $494,389$ $562,673$ d. Disability benefits $1,382,313$ $1,569,322$ e.Total\$ 109,227,275\$ 114,526,9762.Actuarial present value of future expected benefit payments for terminated vested members\$ 939,279\$ 1,113,6173.Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits004.Actuarial present value of future expected benefit payments for those receiving benefits a. Service retired\$ 86,753,874\$ 98,095,937b. DROP participants c. Disability retired3,252,4133,364,636d. Beneficiaries $4,278,682$ $4,325,353$			a. Retirement benefits	\$ 104,447,813	\$ 109,151,936
d. Disability benefits $1,382,313$ $1,569,322$ e.Total\$ 109,227,275\$ 114,526,9762.Actuarial present value of future expected benefit payments for terminated vested members\$ 939,279\$ 1,113,6173.Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits 0 0 4.Actuarial present value of future expected benefit payments for those receiving benefits 0 0 4.Actuarial present value of future expected benefit payments for those receiving benefits $35,240,034$ $46,541,925$ b. DROP participants $3,252,413$ $3,364,636$ d. Beneficiaries $4,278,682$ $4,325,353$			b. Vesting benefits	2,902,760	3,243,045
 e.Total a. Actuarial present value of future expected benefit payments for terminated vested members a. Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits b. Actuarial present value of future expected benefit payments for those receiving benefits a. Service retired b. DROP participants c. Disability retired d. Beneficiaries 			c. Death benefits	494,389	562,673
 Actuarial present value of future expected benefit payments for terminated vested members Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits Actuarial present value of future expected benefit payments for those receiving benefits a. Service retired b. DROP participants c. Disability retired d. Beneficiaries 			d. Disability benefits	 1,382,313	 1,569,322
 for terminated vested members for terminated vested members for terminated vested members Actuarial present value of future expected benefit payments for beneficiaries due deferred benefits Actuarial present value of future expected benefit payments for those receiving benefits Actuarial present value of future expected benefit payments for those receiving benefits a. Service retired b. DROP participants c. Disability retired d. Beneficiaries 4. Actuarial present 4. Actuarial present value of future expected benefit payments for those receiving benefits a. Service retired b. DROP participants c. Disability retired d. Beneficiaries 4. Actuarial present 4. Actuarial present value of future expected benefit payments for those receiving benefits for those receiving benefits<td></td><td></td><td>e.Total</td><td>\$ 109,227,275</td><td>\$ 114,526,976</td>			e.Total	\$ 109,227,275	\$ 114,526,976
5.for beneficiaries due deferred benefits04.Actuarial present value of future expected benefit payments for those receiving benefits a. Service retired\$ 86,753,874\$ 98,095,937b. DROP participants c. Disability retired d. Beneficiaries3,252,4133,364,636d. Beneficiaries4,278,6824,325,353		2.		\$ 939,279	\$ 1,113,617
4.Actuarial present value of future expected benefit payments for those receiving benefits a. Service retired\$ 86,753,874\$ 98,095,937b. DROP participants35,240,03446,541,925c. Disability retired3,252,4133,364,636d. Beneficiaries4,278,6824,325,353		3.		0	0
a. Service retired\$ 86,753,874\$ 98,095,937b. DROP participants35,240,03446,541,925c. Disability retired3,252,4133,364,636d. Beneficiaries4,278,6824,325,353		4.		0	
b. DROP participants35,240,03446,541,925c. Disability retired3,252,4133,364,636d. Beneficiaries4,278,6824,325,353			-	\$ 86,753,874	\$ 98,095.937
c. Disability retired3,252,4133,364,636d. Beneficiaries4,278,6824,325,353					
d. Beneficiaries 4,278,682 4,325,353					
			2		
			e. Total	\$ 129,525,003	\$ 152,327,851

Table XVI (continued two)

			10/1/2	020	1	0/1/2021
	5.	Miscellaneous (refund unpaid)	\$	0	\$	0
	6.	Total actuarial present value of future expected benefit payments	\$ 239,691,	557	\$ 267	,968,444
	7.	Actuarial accrued liabilities	\$ 205,444,	139	\$ 228	,333,556
	8.	Unfunded actuarial accrued liabilities	\$ 31,295,	074	\$ 26	,232,900
D.	<u>Sta</u>	tement of Accumulated Plan Benefits				
	1.	Actuarial present value of accumulated vested plan benefits				
		a. Participants currently receiving benefits	\$ 94,284,	969	\$ 105	,785,926
		b. Beneficiaries due deferred benefits		0		0
		b. DROP participants	35,240,	034	46	,541,925
		c. Other participants	55,326,	788	53	<u>,581,399</u>
		d. Total	\$ 184,851,	791	\$ 205	,909,250
	2.	Actuarial present value of accumulated non-				
	2.	vested plan benefits	4,662,	760	6	,255,879
	3.	Total actuarial present value of accumulated plan benefits	\$ 189,514,	551	\$ 212	,165,129
E.	<u>Sta</u>	tement of Change in Accumulated Plan Benefits				
	1.	Actuarial present value of accumulated plan benefits as of October 1, 2020	\$ 189,514,	551		
	2.	Increase (decrease) during year attributable to:				
		a. Plan amendment		0		
		b. Actuarial assumptions and methods changes	10,584,	336		
		c. Benefits paid and contribution refunds	(7,639,	589)		
		d. DROP benefits credited	(2,513,	711)		
		e. Other, including benefits accumulated and increase for interest due to decrease in the discount period	22,219,	<u>542</u>		
		f. Net increase (decrease)	22,650,	578		
	3.	Actuarial present value of accumulated plan benefits as of October 1, 2021	\$ 212,165,	129		

Table XVI (continued three)

		10/1/2020	10/1/2021
F.	Pension Cost		
	1. Total normal cost including expenses	\$ 4,690,145	\$ 4,997,748
	2. Expected member contribution	1,394,174	1,408,868
	3. Item 2. as percentage of payroll	9.0%	9.0%
	4. Net employer normal cost	\$ 3,295,971	\$ 3,588,880
	5. Payment required to amortize		
	unfunded liability	3,411,334	3,057,841
	Total employer required contribution		
	6. (including interest)	\$ 7,087,833	\$ 7,001,245
	7. Item 6. as a percentage of payroll	45.8%	44.7%
	8. State contributions	\$ 1,055,365	\$ 1,000,965
	9. Item 8. as a percentage of payroll	6.8%	6.4%
	10. Net amount payable by Town	\$ 6,032,468	\$ 6,000,280
	11. Item 10. as a percentage of payroll	38.9%	38.3%
G.	Past Contributions		
	1. Total contribution required	\$ 8,482,007	\$ 8,410,113
	2. Actual contributions made:	. , ,	. , ,
	a. Employees	\$ 2,949,685	N/A
	b. Town	6,210,000*	N/A
	c. State	1,000,965	N/A
	d. Total	\$ 10,160,650	N/A
		. , ,	
H.	Net Actuarial Gain (Loss)	\$ 3,625,835	\$ 14,657,620
I.	Disclosure of Following Items:		
	Actuarial present value of future salaries -		
	1. attained age	\$ 119,266,264	\$ 126,886,350
	Actuarial present value of future employee	. , ,	. , ,
	2. contributions - attained age	\$ 10,733,964	\$ 11,419,772
	Actuarial present value of future contribution		
	3. from other sources	N/A	N/A
	Amount of active members' accumulated		
	4. contributions	\$ 10,395,474	\$ 10,119,665
	- Actuarial present value of future salaries and		
	5. Actuaria present value of ruture salaries and future benefits at entry age	Not provided by softwa	re
	Actuarial present value of future employee	· · ·	
	6. contributions at entry age	Not provided by softwa	re
		1 2	

* Because the Town made the entire contribution for 2020/21 in one payment on 11/3/20, the Town's funding requirement was \$ 5,808,873, not \$ 6,032,468 as shown in prior year's report.

Table XVI(continued four)

J. Unfunded Actuarial Accrued Liabilities

Description and	Remaining	Unamortized	A
Amount of	Amortization	Amount as of	Amortization
Original Liability	Period	Valuation Date	Payment 447,767
10/01/1994 Plan Amendment	3 years	1,257,899	· · · · · · · · · · · · · · · · · · ·
10/01/1996 Assumption Change	5 years	(15,409)	(3,509)
10/01/1997 Plan Amendment	6 years	(296,798)	(58,131)
10/01/1999 Assumption Change	8 years	(1,834,905)	(286,762)
10/01/2000 Plan Amendment	9 years	1,843,401	263,988
10/01/2002 Method Change	11 years	2,669,017	331,974
10/01/2003 Actuarial Loss	12 years	880,478	103,374
10/01/2003 Plan Amendment	12 years	1,244,047	146,060
10/01/2004 Actuarial Loss	13 years	294,275	32,829
10/01/2005 Actuarial Loss	14 years	1,323,416	141,068
10/01/2005 Plan Amendment	12 years	716,752	84,152
10/01/2006 Actuarial Loss	15 years	2,129,917	217,967
10/01/2006 Plan Amendment	15 years	1,757,650	179,871
10/01/2006 Ch. 185 Plan Amendment	15 years	189,385	19,381
10/01/2007 Actuarial (Gain)	16 years	(170,450)	(16,815)
10/01/2007 Asset Method Change	16 years	(1,728,745)	(170,542)
10/01/2008 Actuarial Loss	17 years	6,859,603	654,666
10/01/2009 Actuarial Loss	18 years	2,986,644	276,615
10/01/2009 Assumption Change	18 years	526,097	48,726
10/01/2010 Actuarial (Gain)	19 years	(2,347,914)	(211,610)
10/01/2010 Plan Amendment	19 years	268,547	24,203
10/01/2011 Actuarial Loss	20 years	6,178,625	543,201
10/01/2012 Actuarial (Gain)	20 years	(4,469,674)	(392,957)
10/01/2013 Actuarial (Gain)	20 years	(1,416,961)	(124,574)
10/01/2014 Actuarial (Gain)	20 years	(932,260)	(81,961)
10/01/2014 Assumption Change	13 years	3,747,045	418,015
10/01/2015 Actuarial (Gain)	20 years	1,887,546	165,946
10/01/2016 Actuarial (Gain)	20 years	1,359,646	119,535
10/01/2016 Assumption Change	15 years	4,390,223	449,277
10/01/2017 Actuarial (Gain)	20 years	(4,082,547)	(358,922)
10/01/2017 Assumption Change	16 years	2,675,783	263,969
10/01/2018 Actuarial Loss	20 years	1,208,823	106,275
10/01/2019 Actuarial Loss	20 years	7,719,533	678,672
10/01/2019 Assumption Change	18 years	(5,934,718)	(549,657)
10/01/2020 Actuarial Gain	20 years	(3,477,909)	(305,765)
10/01/2020 Assumption Change	19 years	2,106,339	189,837
10/01/2021 Actuarial Gain	20 years	(14,657,620)	(1,288,643)
10/01/2021 Assumption Change	20 years	11,378,119	1,000,321
	20 5000		1,000,021

TOTAL:

<u>\$ 26,232,900</u> <u>\$ 3,057,841</u>

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Table XVI(continued five)

This actuarial valuation and/or cost determination was prepared and completed by me or under my direct supervision, and I acknowledge responsibility for the results. To the best of my knowledge, the results are complete and accurate, and in my opinion, the techniques and assumptions used are reasonable and meet the requirements and intent of Part VII, Chapter 112, Florida Statutes. There is no benefit or expense to be provided by the plan and/or paid from the plan's assets for which liabilities or current costs have not been established or otherwise taken into account in the valuation. All known events or trends which may require a material increase in plan costs or required contribution rates have been taken into account in the valuation.

Don Duhanay,

Donald A. DuLaney, Jr. A.S.A., E.A. Senior Consulting Actuary

3/25/2022

Date

20-04191 Enrollment Number